Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/31/2020 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123201	-2	2.51	123269	2.48
Blue	F	SSC	125000	123515	-2	1.55	124339	1.56
Blue	E	FITC	16433	15919	-4	2.91	348	20.27
Blue	D	PE	27595	27029	-3	2.10	590	14.56
Blue	B	PerCP-Cy5-5	43183	43002	-1	3.77	1151	20.88
Blue	A	PE-Cy7	31943	31854	-1	6.19	612	41.74
Red	C	APC	42819	42223	-2	2.39	1489	12.01
Red	A	APC-Cy7	31261	30415	-3	2.25	806	11.64
Violet	B	V450	6527	6218	-5	5.03	347	13.70
Violet	A	V500	24533	23640	-4	4.88	549	11.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17058	14.23	619	19	N/A	N/A	Pass
Blue	F	SSC	56102	1.20	560	12	N/A	N/A	Pass
Blue	E	FITC	63	65.51	545	6	0.0199	166	Pass
Blue	D	PE	123	50.02	542	8	0.1747	303	Pass
Blue	B	PerCP-Cy5-5	211	51.16	657	15	0.0086	54	Pass
Blue	A	PE-Cy7	114	102.05	705	16	0.0103	12	Pass
Red	C	APC	356	24.88	579	-4	0.0249	135	Pass
Red	A	APC-Cy7	178	27.86	559	-4	0.0059	861	Pass
Violet	B	V450	53	62.00	453	-2	0.0513	2270	Pass
Violet	A	V500	82	36.63	465	-2	0.0233	1210	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-31.79	0.97
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	15.81	13.60 - 20.40	N/A	N/A	29.38	29.83	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9650

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments